FIG. 1

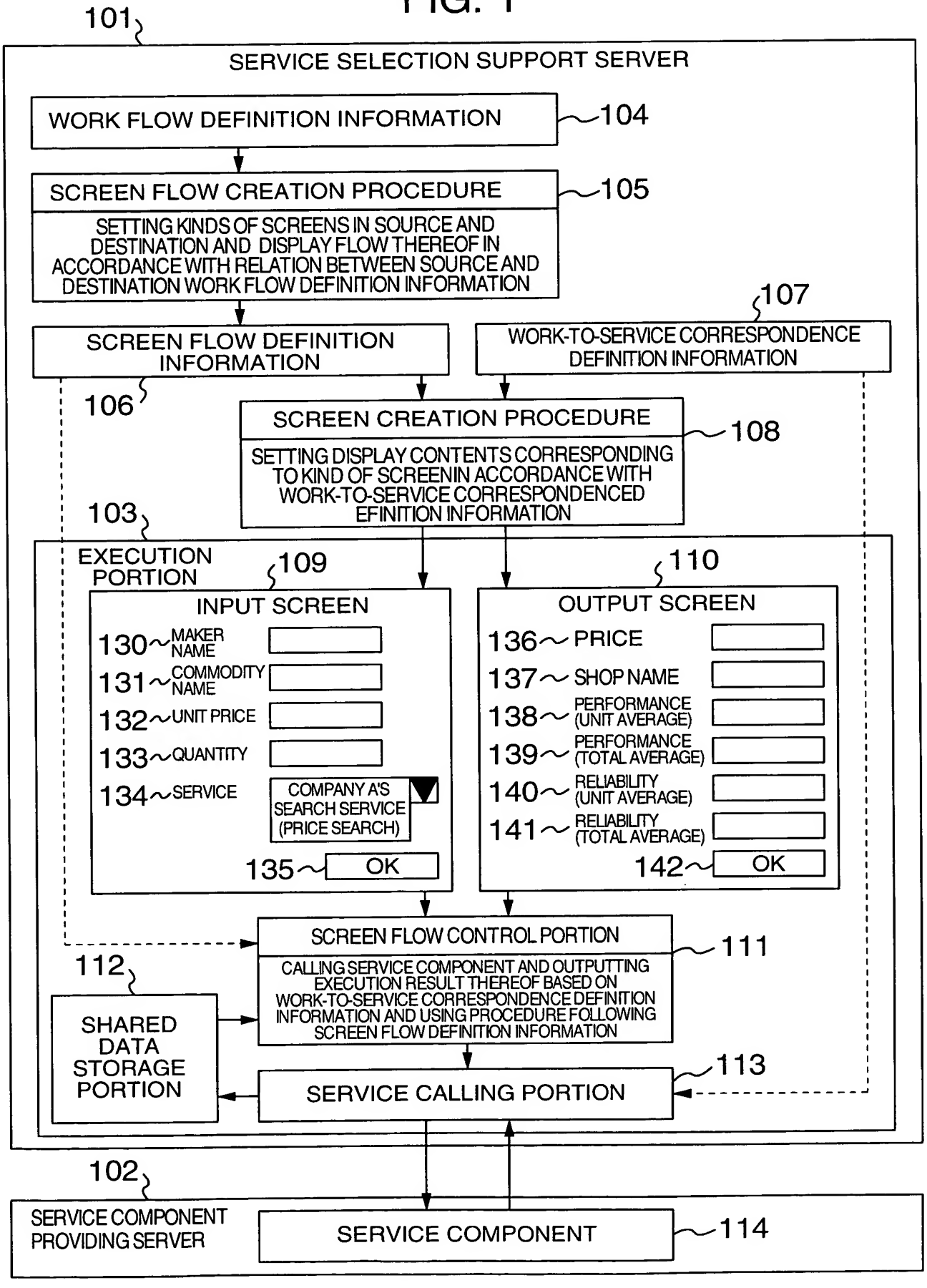

101
SERVICE SELECTION SUPPORT SERVER
WORK FLOW DEFINITION INFORMATION
104
SCREEN FLOW CREATION PROCEDURE
105
SETTING KINDS OF SCREENS IN SOURCE AND DESTINATION AND DISPLAY FLOW THEREOF IN ACCORDANCE WITH RELATION BETWEEN SOURCE AND DESTINATION WORK FLOW DEFINITION INFORMATION
107
SCREEN FLOW DEFINITION INFORMATION
106
WORK-TO-SERVICE CORRESPONDENCE DEFINITION INFORMATION
SCREEN CREATION PROCEDURE
108
SETTING DISPLAY CONTENTS CORRESPONDING TO KIND OF SCREEN IN ACCORDANCE WITH WORK-TO-SERVICE CORRESPONDENCED EFINITION INFORMATION
103
EXECUTION PORTION
109
INPUT SCREEN
130 MAKER NAME
131 COMMODITY NAME
132 UNIT PRICE
133 QUANTITY
134 SERVICE
COMPANY A'S SEARCH SERVICE (PRICE SEARCH)
135 OK
110
OUTPUT SCREEN
136 PRICE
137 SHOP NAME
138 PERFORMANCE (UNIT AVERAGE)
139 PERFORMANCE (TOTAL AVERAGE)
140 RELIABILITY (UNIT AVERAGE)
141 RELIABILITY (TOTAL AVERAGE)
142 OK
SCREEN FLOW CONTROL PORTION
111
CALLING SERVICE COMPONENT AND OUTPUTTING EXECUTION RESULT THEREOF BASED ON WORK-TO-SERVICE CORRESPONDENCE DEFINITION INFORMATION AND USING PROCEDURE FOLLOWING SCREEN FLOW DEFINITION INFORMATION
112
SHARED DATA STORAGE PORTION
SERVICE CALLING PORTION
113
102
SERVICE COMPONENT PROVIDING SERVER
SERVICE COMPONENT
114

FIG. 2

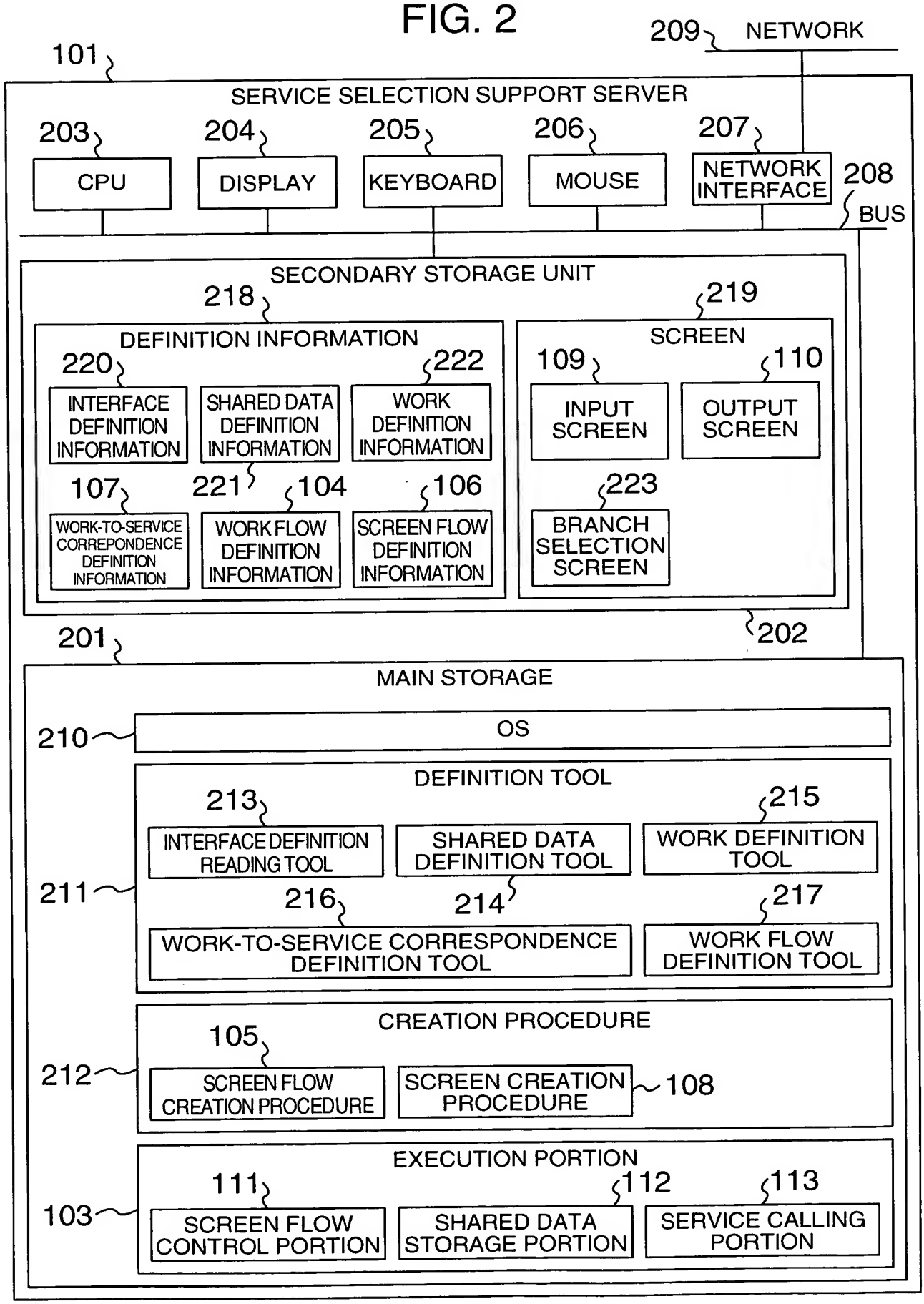

209
NETWORK
101
SERVICE SELECTION SUPPORT SERVER
203
CPU
204
DISPLAY
205
KEYBOARD
206
MOUSE
207
NETWORK INTERFACE
208
BUS
SECONDARY STORAGE UNIT
218
DEFINITION INFORMATION
220
INTERFACE DEFINITION INFORMATION
222
SHARED DATA DEFINITION INFORMATION
WORK DEFINITION INFORMATION
107
WORK-TO-SERVICE CORREPONDENCE DEFINITION INFORMATION
221
WORK FLOW DEFINITION INFORMATION
104
106
SCREEN FLOW DEFINITION INFORMATION
219
SCREEN
109
INPUT SCREEN
110
OUTPUT SCREEN
223
BRANCH SELECTION SCREEN
202
201
MAIN STORAGE
210
OS
DEFINITION TOOL
213
INTERFACE DEFINITION READING TOOL
SHARED DATA DEFINITION TOOL
215
WORK DEFINITION TOOL
211
216
214
217
WORK-TO-SERVICE CORRESPONDENCE DEFINITION TOOL
WORK FLOW DEFINITION TOOL
CREATION PROCEDURE
105
212
SCREEN FLOW CREATION PROCEDURE
SCREEN CREATION PROCEDURE
108
EXECUTION PORTION
111
112
113
103
SCREEN FLOW CONTROL PORTION
SHARED DATA STORAGE PORTION
SERVICE CALLING PORTION

FIG. 3

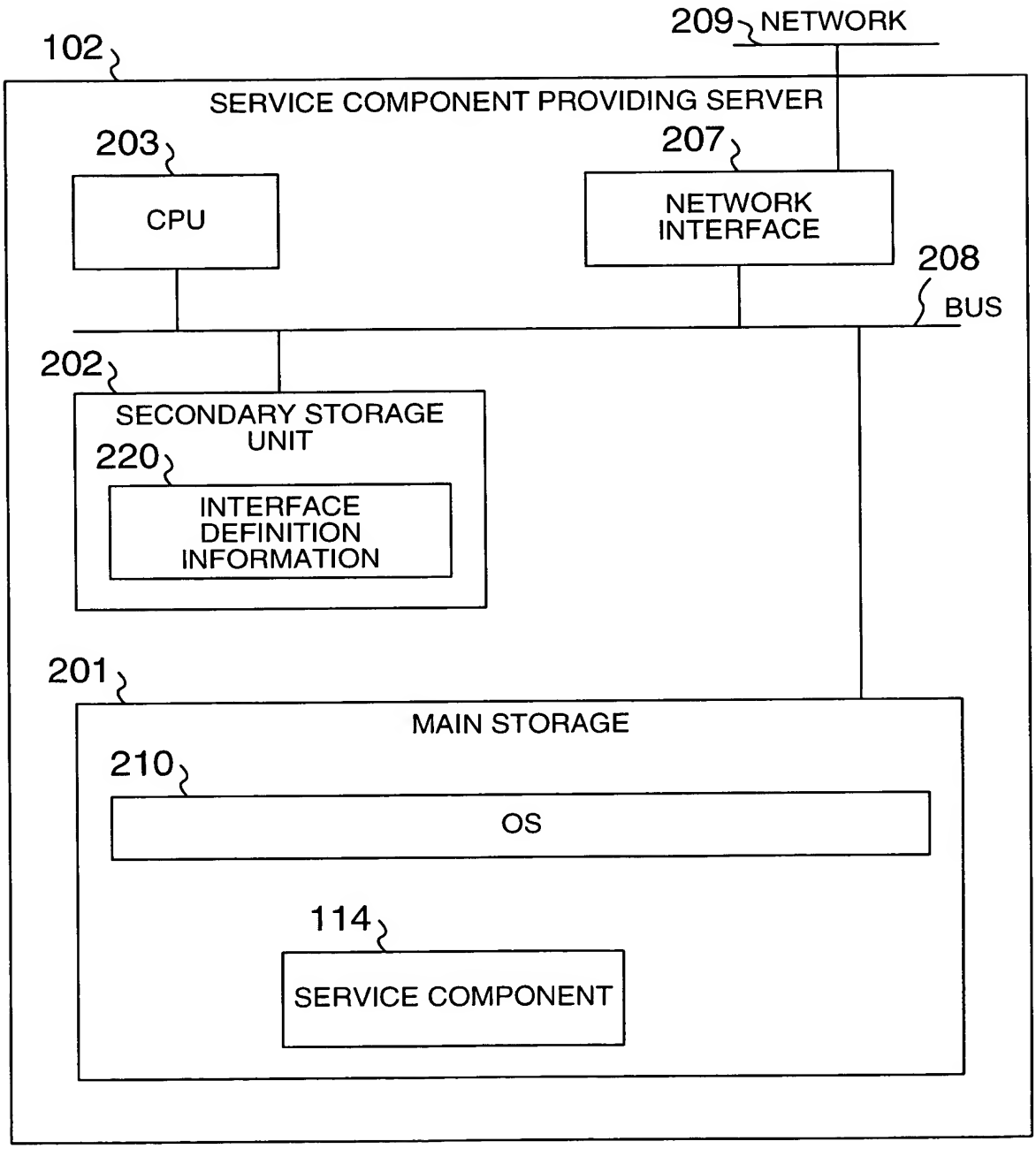

209
NETWORK
102
SERVICE COMPONENT PROVIDING SERVER
203
CPU
207
NETWORK INTERFACE
208
BUS
202
SECONDARY STORAGE UNIT
220
INTERFACE DEFINITION INFORMATION
201
MAIN STORAGE
210
OS
114
SERVICE COMPONENT

FIG. 4

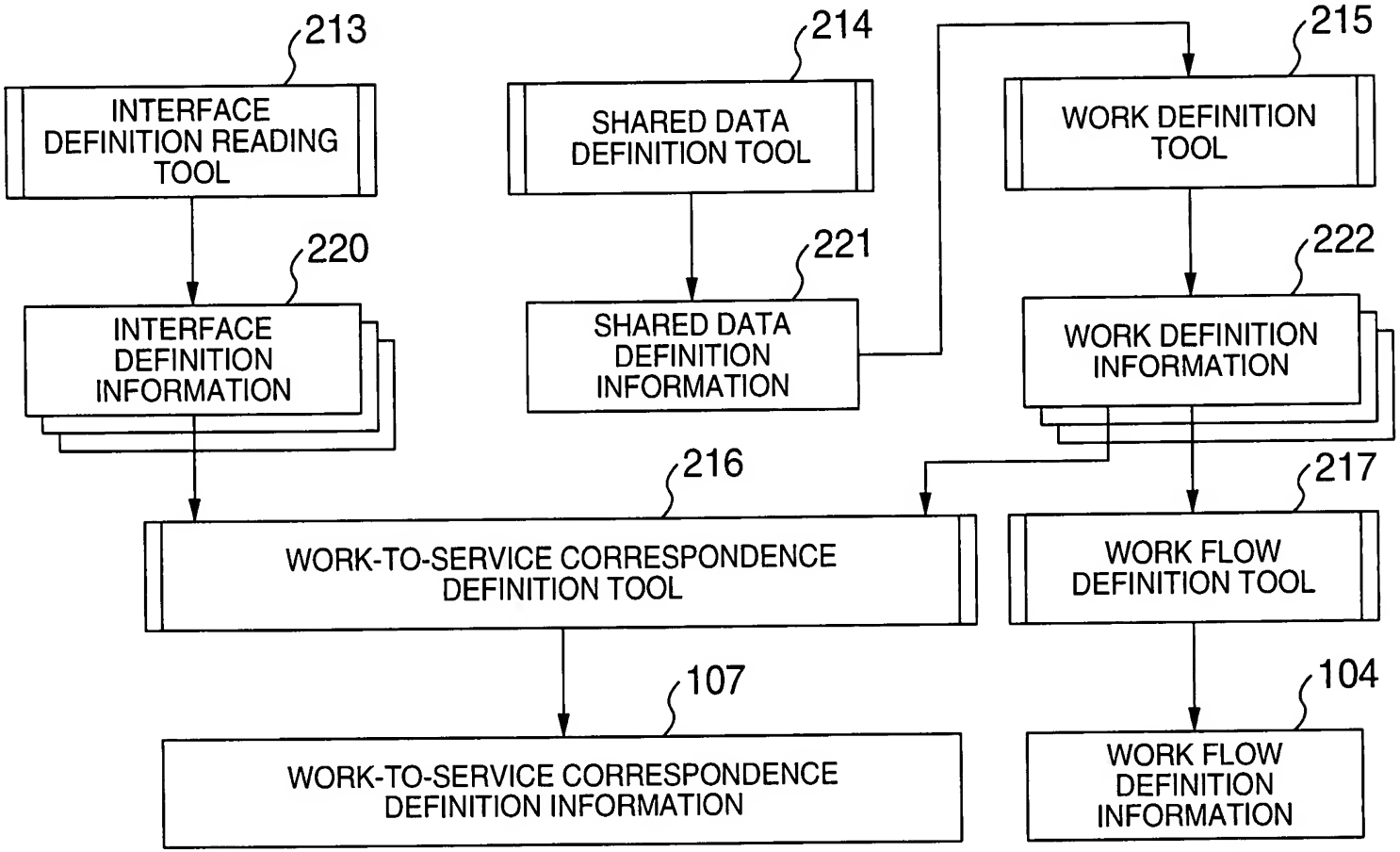

213
INTERFACE DEFINITION READING TOOL
214
SHARED DATA DEFINITION TOOL
215
WORK DEFINITION TOOL
220
INTERFACE DEFINITION INFORMATION
221
SHARED DATA DEFINITION INFORMATION
222
WORK DEFINITION INFORMATION
216
WORK-TO-SERVICE CORRESPONDENCE DEFINITION TOOL
217
WORK FLOW DEFINITION TOOL
107
WORK-TO-SERVICE CORRESPONDENCE DEFINITION INFORMATION
104
WORK FLOW DEFINITION INFORMATION

FIG. 5

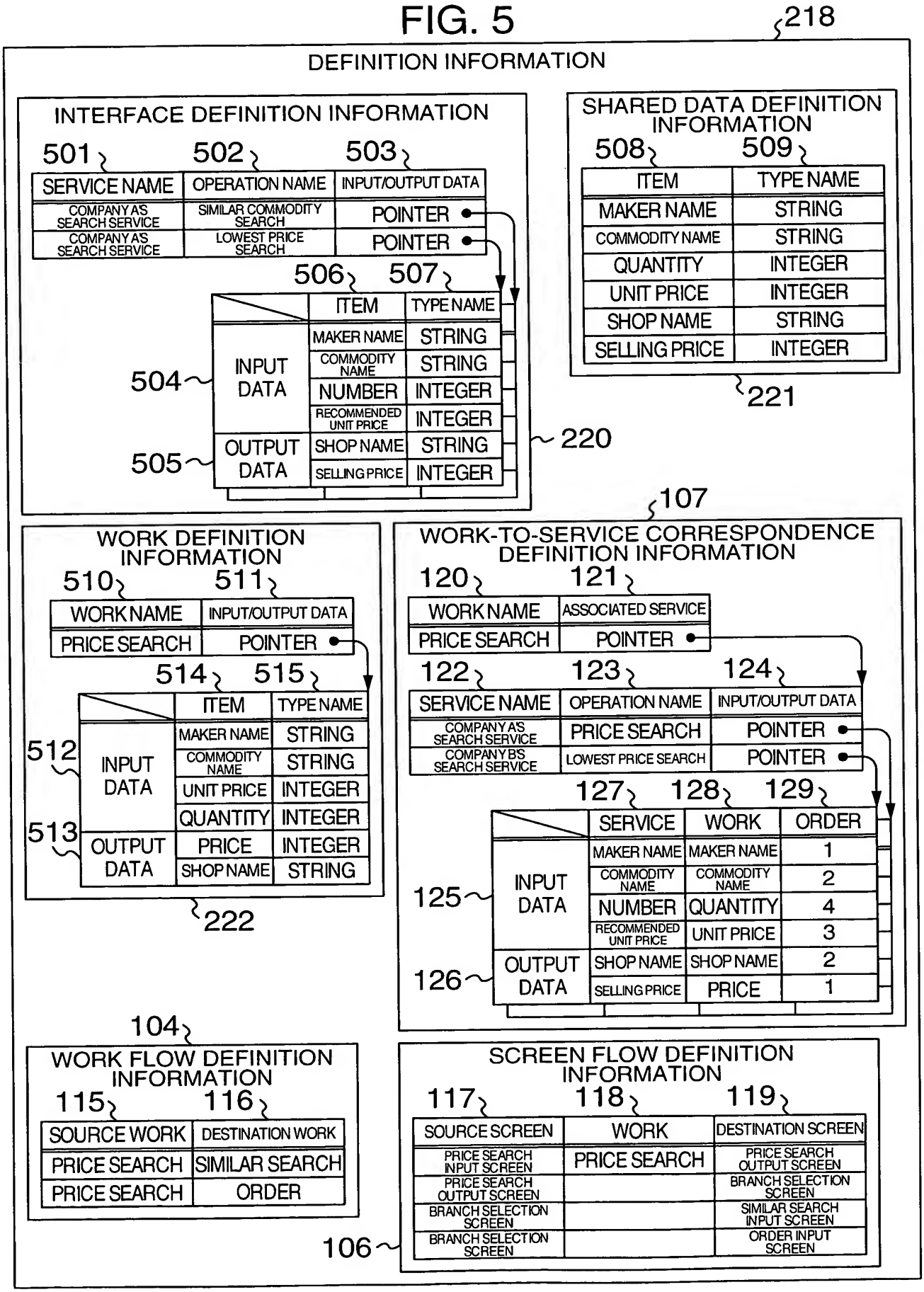

218
DEFINITION INFORMATION
INTERFACE DEFINITION INFORMATION
501
502
503
SERVICE NAME
OPERATION NAME
INPUT/OUTPUT DATA
COMPANY A'S SEARCH SERVICE
SIMILAR COMMODITY SEARCH
POINTER
COMPANY A'S SEARCH SERVICE
LOWEST PRICE SEARCH
POINTER
506
507
ITEM
TYPE NAME
504
INPUT DATA
MAKER NAME
STRING
COMMODITY NAME
STRING
NUMBER
INTEGER
RECOMMENDED UNIT PRICE
INTEGER
505
OUTPUT DATA
SHOP NAME
STRING
SELLING PRICE
INTEGER
220
SHARED DATA DEFINITION INFORMATION
508
509
ITEM
TYPE NAME
MAKER NAME
STRING
COMMODITY NAME
STRING
QUANTITY
INTEGER
UNIT PRICE
INTEGER
SHOP NAME
STRING
SELLING PRICE
INTEGER
221
107
WORK DEFINITION INFORMATION
510
511
WORK NAME
INPUT/OUTPUT DATA
PRICE SEARCH
POINTER
514
515
ITEM
TYPE NAME
512
INPUT DATA
MAKER NAME
STRING
COMMODITY NAME
STRING
UNIT PRICE
INTEGER
QUANTITY
INTEGER
513
OUTPUT DATA
PRICE
INTEGER
SHOP NAME
STRING
222
WORK-TO-SERVICE CORRESPONDENCE DEFINITION INFORMATION
120
121
WORK NAME
ASSOCIATED SERVICE
PRICE SEARCH
POINTER
122
123
124
SERVICE NAME
OPERATION NAME
INPUT/OUTPUT DATA
COMPANY A'S SEARCH SERVICE
PRICE SEARCH
POINTER
COMPANY B'S SEARCH SERVICE
LOWEST PRICE SEARCH
POINTER
127
128
129
SERVICE
WORK
ORDER
125
INPUT DATA
MAKER NAME
MAKER NAME
1
COMMODITY NAME
COMMODITY NAME
2
NUMBER
QUANTITY
4
RECOMMENDED UNIT PRICE
UNIT PRICE
3
126
OUTPUT DATA
SHOP NAME
SHOP NAME
2
SELLING PRICE
PRICE
1
104
WORK FLOW DEFINITION INFORMATION
115
116
SOURCE WORK
DESTINATION WORK
PRICE SEARCH
SIMILAR SEARCH
PRICE SEARCH
ORDER
SCREEN FLOW DEFINITION INFORMATION
117
118
119
SOURCE SCREEN
WORK
DESTINATION SCREEN
PRICE SEARCH INPUT SCREEN
PRICE SEARCH
PRICE SEARCH OUTPUT SCREEN
PRICE SEARCH OUTPUT SCREEN
BRANCH SELECTION SCREEN
BRANCH SELECTION SCREEN
SIMILAR SEARCH INPUT SCREEN
BRANCH SELECTION SCREEN
ORDER INPUT SCREEN
106

FIG. 6

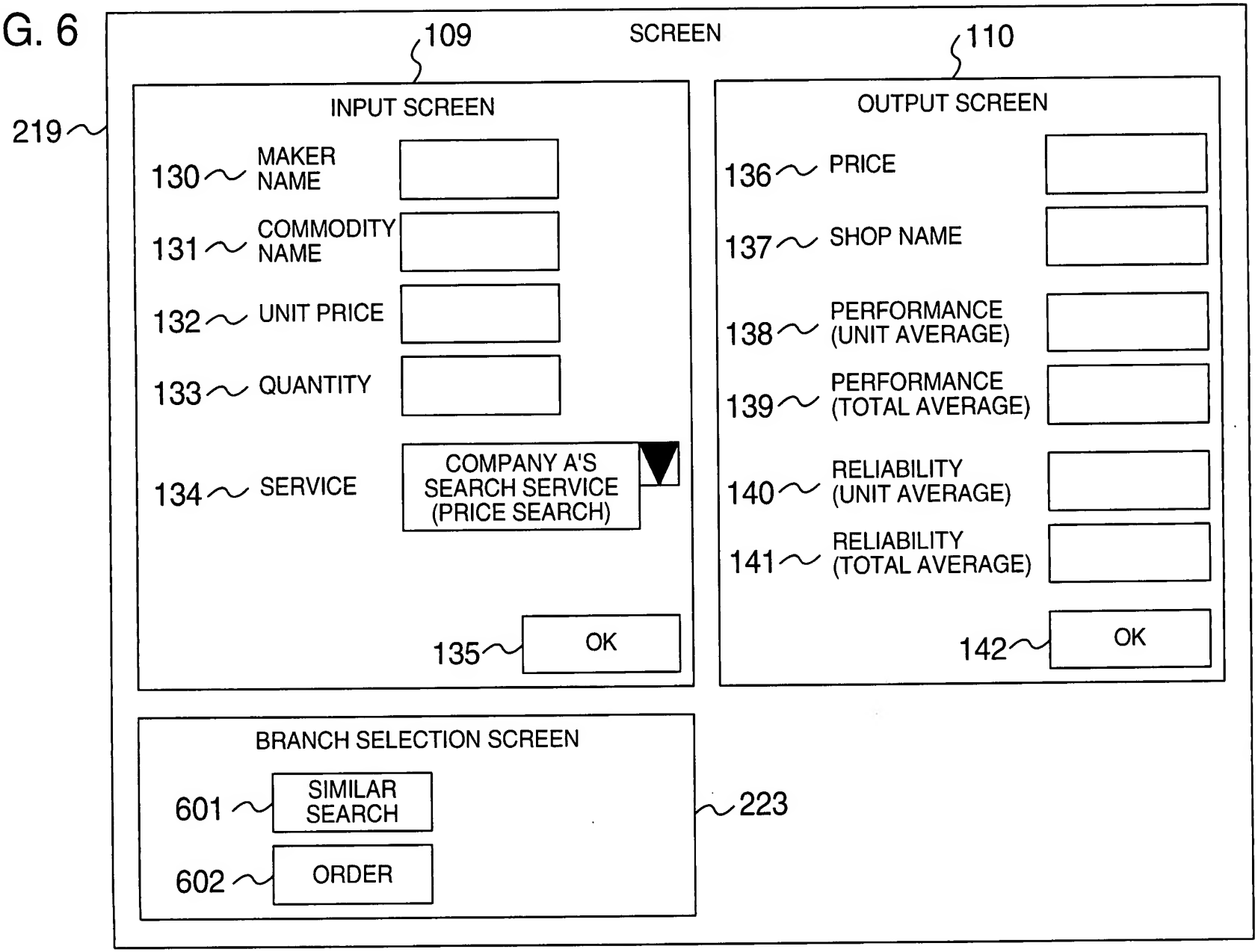

219
109
SCREEN
110
INPUT SCREEN
130 MAKER NAME
131 COMMODITY NAME
132 UNIT PRICE
133 QUANTITY
134 SERVICE
COMPANY A'S SEARCH SERVICE (PRICE SEARCH)
135 OK
OUTPUT SCREEN
136 PRICE
137 SHOP NAME
138 PERFORMANCE (UNIT AVERAGE)
139 PERFORMANCE (TOTAL AVERAGE)
140 RELIABILITY (UNIT AVERAGE)
141 RELIABILITY (TOTAL AVERAGE)
142 OK
BRANCH SELECTION SCREEN
601 SIMILAR SEARCH
602 ORDER
223

FIG. 7

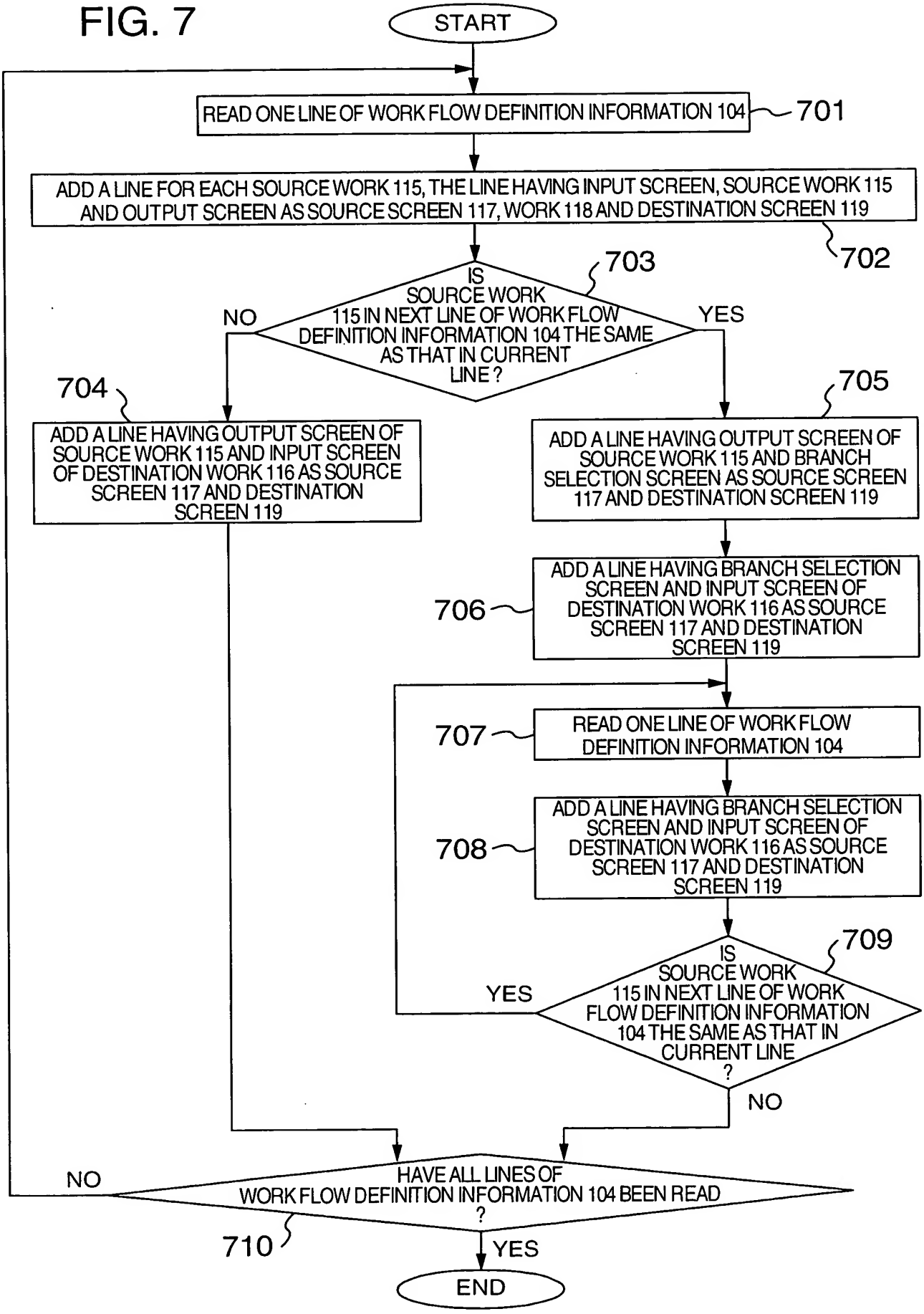

START
READ ONE LINE OF WORK FLOW DEFINITION INFORMATION 104
701
ADD A LINE FOR EACH SOURCE WORK 115, THE LINE HAVING INPUT SCREEN, SOURCE WORK 115 AND OUTPUT SCREEN AS SOURCE SCREEN 117, WORK 118 AND DESTINATION SCREEN 119
702
703
IS SOURCE WORK 115 IN NEXT LINE OF WORK FLOW DEFINITION INFORMATION 104 THE SAME AS THAT IN CURRENT LINE ?
NO
YES
704
ADD A LINE HAVING OUTPUT SCREEN OF SOURCE WORK 115 AND INPUT SCREEN OF DESTINATION WORK 116 AS SOURCE SCREEN 117 AND DESTINATION SCREEN 119
705
ADD A LINE HAVING OUTPUT SCREEN OF SOURCE WORK 115 AND BRANCH SELECTION SCREEN AS SOURCE SCREEN 117 AND DESTINATION SCREEN 119
706
ADD A LINE HAVING BRANCH SELECTION SCREEN AND INPUT SCREEN OF DESTINATION WORK 116 AS SOURCE SCREEN 117 AND DESTINATION SCREEN 119
707
READ ONE LINE OF WORK FLOW DEFINITION INFORMATION 104
708
ADD A LINE HAVING BRANCH SELECTION SCREEN AND INPUT SCREEN OF DESTINATION WORK 116 AS SOURCE SCREEN 117 AND DESTINATION SCREEN 119
709
IS SOURCE WORK 115 IN NEXT LINE OF WORK FLOW DEFINITION INFORMATION 104 THE SAME AS THAT IN CURRENT LINE ?
YES
NO
HAVE ALL LINES OF WORK FLOW DEFINITION INFORMATION 104 BEEN READ ?
NO
710
YES
END

FIG. 8

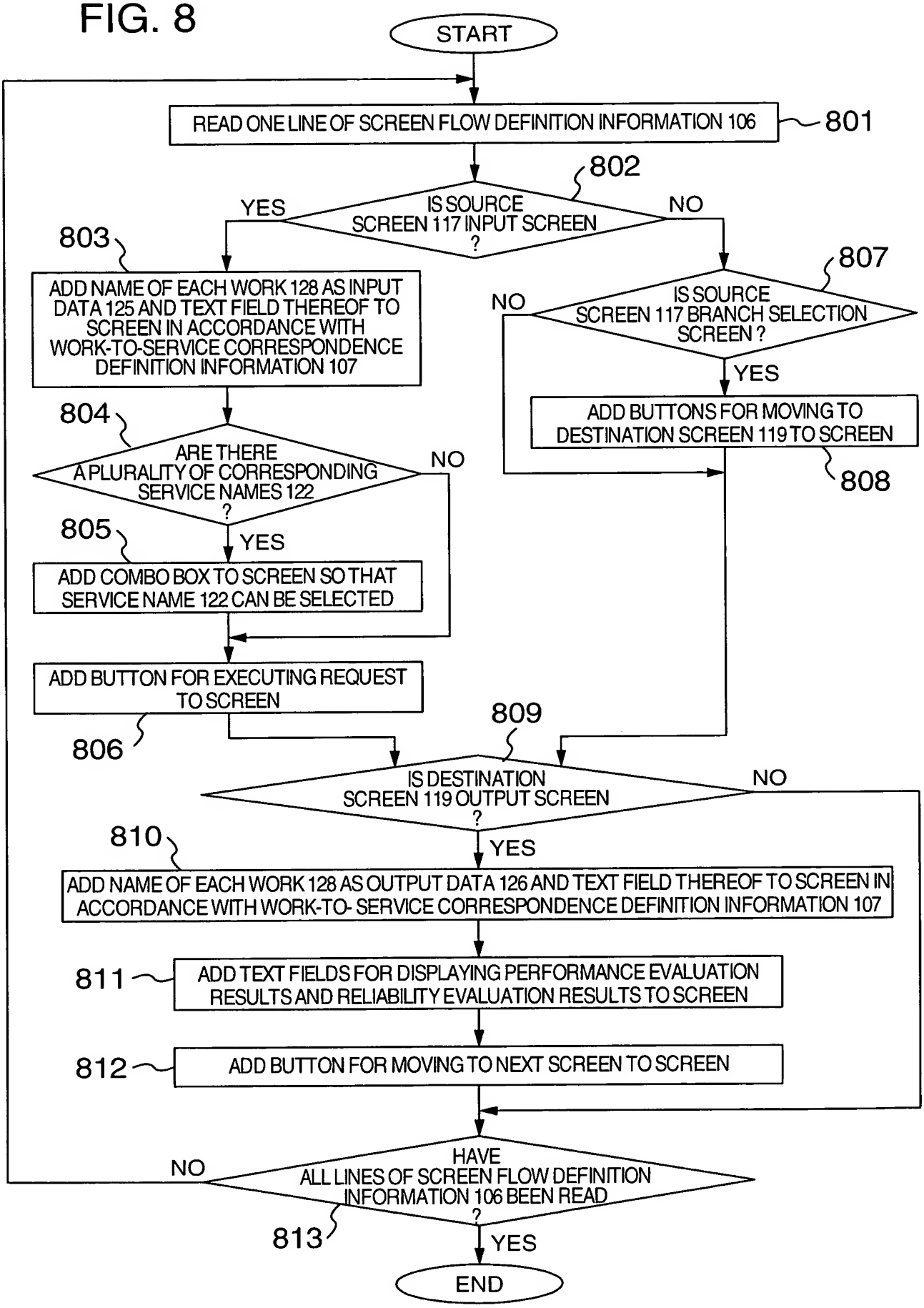

START
READ ONE LINE OF SCREEN FLOW DEFINITION INFORMATION 106
801
802
IS SOURCE SCREEN 117 INPUT SCREEN ?
YES
NO
803
ADD NAME OF EACH WORK 128 AS INPUT DATA 125 AND TEXT FIELD THEREOF TO SCREEN IN ACCORDANCE WITH WORK-TO-SERVICE CORRESPONDENCE DEFINITION INFORMATION 107
807
IS SOURCE SCREEN 117 BRANCH SELECTION SCREEN ?
NO
YES
ADD BUTTONS FOR MOVING TO DESTINATION SCREEN 119 TO SCREEN
808
804
ARE THERE A PLURALITY OF CORRESPONDING SERVICE NAMES 122 ?
NO
805
YES
ADD COMBO BOX TO SCREEN SO THAT SERVICE NAME 122 CAN BE SELECTED
ADD BUTTON FOR EXECUTING REQUEST TO SCREEN
806
809
IS DESTINATION SCREEN 119 OUTPUT SCREEN ?
NO
810
YES
ADD NAME OF EACH WORK 128 AS OUTPUT DATA 126 AND TEXT FIELD THEREOF TO SCREEN IN ACCORDANCE WITH WORK-TO- SERVICE CORRESPONDENCE DEFINITION INFORMATION 107
811
ADD TEXT FIELDS FOR DISPLAYING PERFORMANCE EVALUATION RESULTS AND RELIABILITY EVALUATION RESULTS TO SCREEN
812
ADD BUTTON FOR MOVING TO NEXT SCREEN TO SCREEN
HAVE ALL LINES OF SCREEN FLOW DEFINITION INFORMATION 106 BEEN READ ?
NO
813
YES
END

FIG. 9

112

SHARED DATA STORAGE PORTION

901

SHARED DATA VALUE

904 ITEM	905 VALUE
MAKER NAME	COMPANY X
COMMODITY NAME	X1234
QUANTITY	10
UNIT PRICE	50,000
SHOP NAME	SHOP A
PRICE	35,000

902

PERFORMANCE/RELIABILITY EVALUATION RESULT (UNIT)

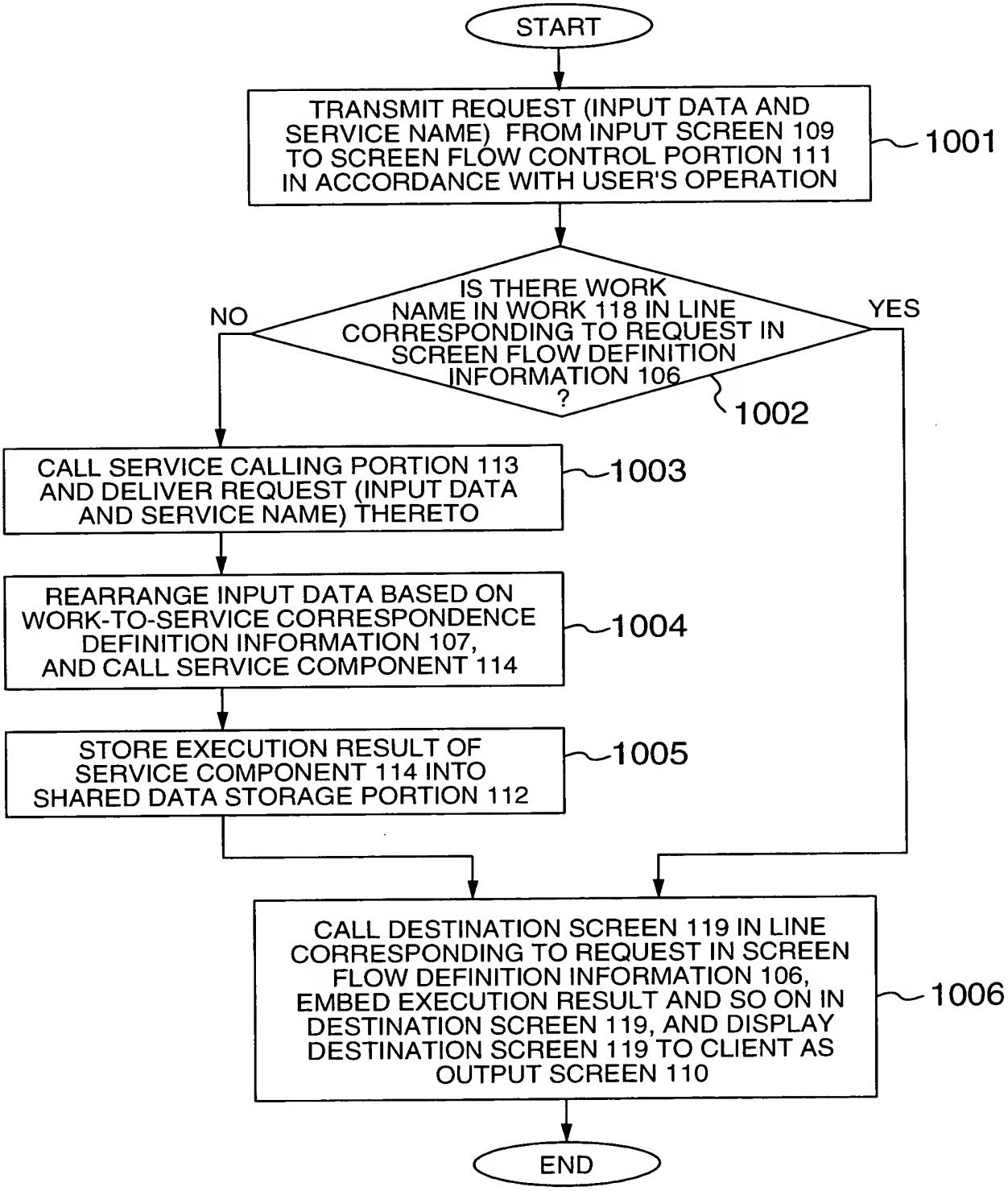
906 SERVICE NAME	907 PERFORMANCE	908 PERFORMANCE (AVERAGE)	909 RELIABILITY	910 RELIABILITY (AVERAGE)
COMPANY A'S SEARCH SERVICE	30,28,32	30	1,1,1	1
COMPANY B'S SEARCH SERVICE	40	40	1	1
COMPANY C'S PURCHASE SERVICE	98,100	99	0,1	0.5
COMPANY D'S SEARCH SERVICE	30,29,30	29.7	1,1,1,1	1

903

PERFORMANCE/RELIABILITY EVALUATION RESULT (TOTAL)

911 PERFORMANCE (AVERAGE)	912 RELIABILITY (AVERAGE)
129	0.75

FIG. 10


START
TRANSMIT REQUEST (INPUT DATA AND SERVICE NAME) FROM INPUT SCREEN 109 TO SCREEN FLOW CONTROL PORTION 111 IN ACCORDANCE WITH USER'S OPERATION
1001
IS THERE WORK NAME IN WORK 118 IN LINE CORRESPONDING TO REQUEST IN SCREEN FLOW DEFINITION INFORMATION 106 ?
1002
NO
YES
CALL SERVICE CALLING PORTION 113 AND DELIVER REQUEST (INPUT DATA AND SERVICE NAME) THERETO
1003
REARRANGE INPUT DATA BASED ON WORK-TO-SERVICE CORRESPONDENCE DEFINITION INFORMATION 107, AND CALL SERVICE COMPONENT 114
1004
STORE EXECUTION RESULT OF SERVICE COMPONENT 114 INTO SHARED DATA STORAGE PORTION 112
1005
CALL DESTINATION SCREEN 119 IN LINE CORRESPONDING TO REQUEST IN SCREEN FLOW DEFINITION INFORMATION 106, EMBED EXECUTION RESULT AND SO ON IN DESTINATION SCREEN 119, AND DISPLAY DESTINATION SCREEN 119 TO CLIENT AS OUTPUT SCREEN 110
1006
END